

RACZYNSKA-BOJANOWSKA, Konstancja; BELZECKA, Krystyna

Transamination. Postepy biochem 6 no.2:163-180 '60.
(AMINO ACIDS metab.)
(TISSUE METABOLISM)

BELZECKA, Krystyna; RACZYNSKA-BOJANOWSKA, Konstancja

Studies on transamination in insects. II. Enzyme-coenzyme connection and coenzyme requirement in aspartic-a-ketoglutaric transaminase in celerio euphorbiae. Acta biochim.polon. 7 no.2/3:193-201 '60.

1. Department of Physiological Chemistry, Medical School, Warsaw.
Kierownik: prof. dr J.Heller.
(TRANSAMINASES metab.)
(INSECTS metab)
(ISONIAZID phrmacol)

RACZYNSKA-BOJANOWSKA, Konstancja; BELZECKA, Krystyna

Transamination in insects III. The effect of metal ions on aspartate:
 α -ketoglutarate aminotransferase in *Celerio euphorbiae*. Acta biochim.
polon. 9 no.2:111-115 '62.

1. Department of Physiological Chemistry, Medical School, Warszawa.
(TRANSFERASES metab) (METALS pharmacol)
(INSECTS metab)

RACZYNSKA-BOJANOWSKA, Konstancja

N-Glycohydrolase of the nicotinamide nucleotides. Postepy
biochem. 9 no.2:201-212 '63.

(NUCLEOSIDASES)

RACZYNSKA-BOJANOWSKA, Konstancja; GASIOROWSKA, Ina

NAD glycohydrolase in carp liver. Acta biochim. pol. 10 no.1:117 '63.

1. Department of Physiological Chemistry, Medical School, Warszawa.
(NO SUBJECT HEADINGS)

GOCMAN, Romuald, mgr. inz.; RACZYNSKI, Andrzej, mgr. inz.

A dynamometric spanner for roof bolts. Przegl gorn 18 no.6:Suppl.:
Biul Glown Instyt Gorn 13 no.2:20-22 '62.

RACZYNSKI, Andrzej, mgr inz.

Dynamometer for measurements of the three components of the cutting force. Przegl gorn 18 no.12:Suppl: Biul Glown inst gorn 13 no.3:23-24 '62.

RACZYNSKI, Andrzej, mgr inz.

New mechanical sensing device with independent indication
recording. Przegl gorn 19 no.11:Supplement: Biul glow inst gorn
14 no.3:23-25 '63.

RACZYNSKI, B.

Technical Progress in the Production of Cast-Iron Rolls in the Buczek Metallurgic Plant during the last 10 Years, p. 97.

PRZEGLAD ODLEWNICTWA. (Stowarzyszenie Techniczne Odlewnikow Polskich)
Krakow, Poland.
Vol. 9, no. 4, April 1959.

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 11,
November 1959.
Uncl.

RACZYNSKI, B.

The Compound Cast-Iron Rolls for Cold-Rolling Metal Sheets, p. 250.

PRZEGLAD ODLEWNICTWA (Stowarzyszenie Techniczne Odlewikow Polskich)
Krakow, Poland
Vol. 9, no. 8, August 1959.

Monthly List of East European Accessions Index (EEAI), IC, Vol. 8, No. 11,
November 1959.
Uncl.

RACZYNSKI, B.

The Casting of 60-Ton Cast-Iron Rolls, p. 276.

PRZEGLAD ODLEWNICTWA (Stowarzyszenie Techniczne Odlewnikow Polskich)
Krakow, Poland
Vol. 9, no. 9, September 1959.

Monthly List of East European Accessions Index (EEAI), IC, Vol. 8, No. 11,
November 1959.
Uncl.

RACZYNSKI, B.

The Casting of a Plunger for a 1200-ton Press, p. 279.

PRZEGLAD ODLEWNICTWA (Stowarzyszenie Techniczne Odlewnikow Polskich)
Krakow, Poland
Vol. 9, no. 9, September 1959.

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 11,
November 1959.
Uncl.

RACZYNSKI, Bogumil, mgr.inz.

The new technology of producing combined steelwork rollers for
cold rolling of sheet iron. Przegl odlew 12 no.7:213 П '62.

RACZYNSKI, Grzegorz; ZBIKOWSKI, Boguslaw

Lipo-amino acids and lipo-peptides. Postepy biochem. 11 no.4:
499-507 '65.

RACZYNSKI, Jan, Warszawa, ul. Glogera 4, m.46

Penicillin in the surgical out-patient service. Polski przegl.
chir. 26 no.8:695-709 Aug 54.

1. Z Zakladu Chirurgii Operacyjnej Akademii Medycznej w Warszawie.

Kierownik: prof. dr. J. Zaorski

(PENICILLIN, ther. use

surg. infect., outpatient serv.

(OUTPATIENT SERVICES

for surg. infect., use of penicillin)

RACZYNSKI, Jan

Advantages and disadvantages of transverse section in gastric and duodenal surgery: Polski tygod. lek. 11 no.13:570-574
26 Mar 56.

1. Z Zakladu chirurgii operacyjnej A.M. i Oddz. chirurg.
VI b P.S.K. w Warszawie: kierownik: prof. dr. Jan Zaorski
Warszawa, ul. Mokotowska 57/2.

(STOMACH, surgery,
transverse section (Pol))

(DUODENUM, surgery,
same)

RACZYNSKI, J.; STILLER, A.

~~XXXXXXXXXXXXXXXXXXXX~~
A case of block of the left branch of the bundle of his complicated by myocardial infarct. Polski tygod. lek. 14 no.26:1195-1196 29 June 59.

1. (Z Oddzialu Chorob Wewnetrznych Szpitala Czerniakowskiego w Warszawie; ordynator: prof. dr med. M. Fejgin)
(HEART BLOCK, compl.) (MYOCARDIAL INFARCT, compl.)

PACZYNSKI, Jan; SWIRKA, Stanislaw

Observations on microbial resistance to the most frequently used antibiotics. Polski przegl. chir. 31 no.3:279-288 Mar 59.

1. Z III Kliniki Chirurgicznej A. M. w Warszawie Kierownik: prof. dr med. J. Paczynski. Warszawa, ul. Mokotowska 57, m. 2.

(ANTIBIOTICS, eff.
bact. resist. (Pol))

HACZYNSKI, Jan

Antibiotics in surgical diseases of the abdominal cavity. Polski
przegl. chir. 33 no 7/9:826-833 '61.
(ABDOMEN dis) (ANTIBIOTICS ther)

RACZYNSKI, K.

"Hydrological basis of calculating the capacity of small floodwater reservoirs,"
Gospodarka Wodna, Warszawa, Vol 15, No 1, Jan. 1954, p. 11.

SO: Eastern European Accessions List, Vol 3, No 11, Nov 1954, L.C.

RACZYNSKI, K.

RACZYNSKI, K. Biological regulation of mountain streams. p. 230

Vol. 16, no. 6, June 1956

GOSPODARKS WODNA

TECHNOLOGY

Warszawa, Poland

So: East European Accession, Vol. 6, no. 2, Feb. 1957

RACZYŃSKI, K.

Some remarks on the Central Canal project; also, remarks by A. Tuszko. p. 353

(GOSPOLARKA WODNA. Vol. 17, No. 7, July 1957, Warszawa, Poland.)

SO: Monthly List of East East European Accessions (EEAL) Lc. vol. 6, No. 10, October 1957. Und

RACZYNSKI, K.

Mountain stream engineering in Czechoslovakia.

p. 457 (Gospodarka Wodna) Vol. 17, No. 10, Oct. 1957, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

Planek Raczynski

Distr: 4E2c

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Chemical character of refractory materials. Jerzy K^onarzewski and Marek Raczynski (Akad. Górniczo-Hutnicza, Kraków, Poland). *Zeszyty Nauk. Akad. Górniczo-Hutniczej* No. 8, *Ceramika* No. 1, 13-18 (1956) (English and Russian summaries).—It is proposed to classify a refractory material as basic or acidic, resp., if, upon heating to about 1670°, it reacts with CaO and not with SiO₂, or with SiO₂ and not with CaO. Silica, quartz-bearing fireclay, fireclay, and Al refractories appeared acidic; magnesite, magnesite-forsterite, forsterite, and dolomite appeared basic; however, chrome-magnesite, carbon, and Si carbide refractories were neutral.

RB

JW

JK

KOZLOWSKI, W.; RACZYNSKI, S.; TAUBENFLIGEL, W.; KOSZAK, J.; LEWINSKI, A.;
BANASIK, Z.

Experimental studies on the insertion of an electronic pacemaker
of the heart of our construction in the dog. Preliminary commu-
nication. Kardiol. Pol. 8 no.2:125-128 '65.

1. Z III Kliniki Chorob Wewnętrznych (Kierownik: prof. dr.
M. Gamski) i z III Kliniki Chirurgicznej AM w Gdansku (Kierownik:
prof. dr. Z. Kieturakis).

RACZYNSKI, W.; SMIALOWSKI, M.

Hydrogen absorption and embrittlement produced in iron by electrolytic charging. Bul chim PAN 8 no.4:209-214 '60. (EEAI 10:9/10)

1. Institute of Physical Chemistry, Polish Academy of Sciences.
Presented by M. Smialowski.

(Hydrogen) (Absorption and adsorption) (Iron)
(Electrolysis)

S/081/62/000/020/005/040
B166/B186

AUTHORS: Raczyński, W., Stelmach, S.

TITLE: Penetration and diffusion of cathodically evolved hydrogen through cold-worked forged iron

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 20, 1962, 33, abstract 20B212 (Bull. Acad. polon. sci. Sér, sci. chim., v. 9, no. 10, 1961, 633-638 [Eng.; summary in Russ.])

TEXT: The article deals with the effect of Z, the degree of cold-working of forged Fe, on D the diffusion coefficient and P the rate of penetration of hydrogen between -75° and +80°C. Measurements between -75° and +30°C were conducted in a vacuum of $5 \cdot 10^{-5}$ mm Hg. The P - Z dependence curve has a maximum at Z = 30%. For annealed Fe, $D \sim 10^{-5}$ cm²/sec. D diminishes as Z rises, and for Z = 50% it drops to $D \sim 10^{-6}$ cm²/sec. A linear dependence between log D and 1/T was found for annealed Fe from -75 to +80°C, which made it possible to determine the activation energy of diffusion

Card 1/2

Penetration and diffusion of...

S/081/62/000/020/005/040
B166/B186

E = 3000 cal/mole. For Z = 50% at 30-80°C, E = ~10,000 cal/mole. Cold-working leads to a fall in D and a rise in E. [Abstracter's note: Complete translation.]

Card 2/2

RAD, Berovic, Prof., dr., (Beograd)

Treatment of acute infectious hepatitis. Med. arh., Sarajevo
10 no.3:1-9 May-June 56.

(HEPATITIS, INFECTIOUS, ther.
(Ser))

ENFA, A.

Electric welding of the small reinforcements of high-tension wiring by means of cross sections. p.57.
(Zvaranie, Vol. 6, No. 2, Feb. 1957, Bratislava, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) IC. Vol. 6, No. 9, Sept. 1957. Uncl.

POSPISIL, Jan; RADA, Antonin; VODICKA, Ludek

Use of pyrolytic dipentene. Part 1: Preparation of p-menthene and its sulphochlorination. Chem prum 12 no.3:117-122 Mr '62.

1. Katedra organicke technologie a katedra syntetickych pohonnych latek a ropy, Vysoka skola chemickotechnologicka, Praha. 2. Nynější pracoviště: Československa akademie ved, Ustav makromolekulární chemie, Praha (for Pospisil).

RADA, B.

"An attempt to obtain a fixed L form of Hemophilus Pfeifferi by passaging on media with an increasing concentration of penicillin"

Ceskoslovenska Mikrobiologie. Praha, Czechoslovakia. Vol. 3, no. 4, 1958

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 7, July 59, Unclas

NERMUT, M.; ZAVODOVA-SUCHANOVA, M.; RADA, B.

Symposium on the L phase of bacteria (Jena, September 24-26, 1959).
Folia microbiol 5 no.2:139-141 Mr '60. (EEAI 9:7)

(BACTERIA)

RADA, B.; BLASKOVIC, D.; technical assistance: HANUŠOVSKA, T.

Inhibition of vaccinia virus multiplication in vitro by 6-azauracil riboside. Acta virol. Engl. Ed. Praha 5 no. 5: 308-316 S '61.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava.

(VACCINIA virol)

(NUCLEOSIDES AND NUCLEOTIDES pharmacol)

VILCEK, J.; RADA, B.; Technical assistance: TOVARYSOVA, H.; HANUSOVSKA, T.

Studies on an interferon from tick-borne encephalitis virus-infected cells (IF). III. Antiviral action of IF. Acta virol. (Praha)[Eng]6 no.1:9-16 Ja '62.

(ENCEPHALITIS EPIDEMIC virol)

JASINSKA, St.; LINK, F.; BLASKOVIC, D.; RADA, B.; Technical assistance:
RAUS, J.; HANUSOVSKA, T.

Studies on the effect of antiviral substances on experimental virus infections. III. The effects of 6-azauracil riboside and urethane on vaccinia virus infection in mice. Acta virol. (Praha)[Eng]6 no.1: 17-23 Ja '62.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava.

(VACCINIA virol) (URETHANE pharmacol)
(NUCLEOSIDES AND NUCLEOTIDES pharmacol)

ROSENBERGOVA, M.; RADA, B.

Synthesis of cellular nucleic acids during inhibition of vaccinia virus multiplication by 6-Azauracil riboside. Acta virol. 6 no.3: 258-265 My '62.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava.
(NUCLEIC ACIDS metab) (VACCINIA virol)
(NUCLEOSIDES AND NUCLEOTIDES pharmacol)

RADA, B.; ZAVADA, J.

Screening-test for cytostatic and virostatic substances. Neoplasma 9
no.1:57-65 '62.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava,
CSSR.

(SARCOMA virol) (VIRUSES pharmacol)
(NEOPLASMS virol)

RADA, B.; technicka spoluprace HANUSOVSKA, T.

Inhibition of multiplication of influenza virus with NI, NI-anhydrobis(β -hydroxyethyl)-biguanide (ABOB) in membrane cultures. Cesk. epidem. 11 no.1:24-27 Ja '62.

1. Virologicky ustav CSAV v Bratislave.
(INFLUENZA VURUSES culture) (AMIDINES pharmacol.)

RADA, B.; ZAVADA, J.

Use of the plaque method in the study of antiviral substances. Cesk.
epidem. 11 no.3:175-178 My '62.

1. Virologicky ustav CSAV v Bratislave.

(VIRUSES pharmacol)

RADA, B.; BLASKOVIC, D.; GUT, J.; SORM, F.

Screening of antimetabolites inhibiting virus multiplication. I.
Inhibition of virus multiplication by acetylurea derivatives. Acta
virologica 7 no.2:152-155 Mr '63.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava,
and Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy
of Sciences, Prague.

(VACCINIA VIRUS)	(NEWCASTLE DISEASE VIRUS)	(ENCEPHALITIS VIRUSES)
(VIRUS CULTIVATION)	(ANTIVIRAL AGENTS)	(UREA)
(TISSUE CULTURE)	(ANTIMETABOLITES)	

RADA, B.; BLASKOVIC, D.; BUDESINSKY, Z.; PERINA, Z.

Screening of antimetabolites inhibiting virus multiplication.
II. Inhibition of virus multiplication by 5-arylderivatives of
pyrimidine. Acta virol. 7 no.3:269-274 My '63.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava,
and Pharmaceutical and Biochemical Research Institute, Prague.
(ANTIMETABOLITES) (VACCINIA VIRUS) (ENCEPHALITIS VIRUSES)
(NEWCASTLE DISEASE VIRUS) (PYRIMIDINES) (ANTIVIRAL AGENTS)

RADA, B.; BLASKOVIC, D.; SLAVIK, K.

Screening of antimetabolites inhibiting virus multiplication.
III. Folic acid antimetabolites as inhibitors of virus multiplication.
Acta virol. 7 no.3:275-276 My '63.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava,
and Laboratory of Protein Metabolism and Synthesis, Charles University,
Prague.

(ANTIMETABOLITES) (VACCINIA VIRUS) (ENCEPHALITIS VIRUSES)
(NEWCASTLE DISEASE VIRUS) (FOLIC ACID ANTAGONISTS)
(ANTIVIRAL AGENTS)

RADA, B.; BLASKOVIC, D.; PALAT, K.; CELADNIK, M.

Screening of antimetabolites inhibiting virus multiplication.
IV. Failure of basic propiophenones to inhibit virus multiplication.
Acta virol. 7 no.3:277-278 My '63.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava
and Department of Anorganic and Organic Chemistry, Pharmaceütical
Faculty, Bratislava.

(ANTIMETABOLITES)	(VACCINIA VIRUS)	(ENCEPHALITIS VIRUSES)
(NEWCASTLE DISEASE VIRUS)	(PROPIOPHENONES)	(ANTIVIRAL AGENTS)

STYK, B.; HANA, L.; RADA, B.

Antiviral and cofactor-like activities of some dextran sulfates. Acta virol. (Praha)[Eng] 7 no.5:480 S '63.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava.

(DEXTRAN) (HEMAGGLUTINATION INHIBITION TESTS)
(PHARMACOLOGY) (INFLUENZA VIRUSES)
(NEWCASTLE DISEASE VIRUS) (MUMPS VIRUS)
(MYXOVIRUS)

115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

Interaction of myxoviruses with dextran sulfate. The spectrum of inhibitory activity. Characteristics of antiviral effects of dextran sulfates in tissue culture. Acta virol. (Praha) [Eng.] 8 no. 4:312-326 J1 '64.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava.

SMIDOVA, V.; RADA, B.

Assays of susceptibility to chick sarcoma viruses using chick embryos of several breeds. *Neoplasma* (Bratisl.) 11 no.3: 317-319 '64

1. Oncological Research Institute and Institute of Virology, Czechoslovak Academy of Sciences, Bratislava, Czechoslovakia.

RADA, B.; SMIDOVA, V.; ZAVADA, J.

The inhibitory effect of some antimetabolites and antibiotic on Rous sarcoma growth. Neoplasma (Bratisl.) 11 no.6:553-559
1964.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava and Institute of Oncological Research, Bratislava, Czechoslovakia.

ZAVATA, J.; MRNA, E.; ZAVADOVA, Z.; RADA, B.; KOVACOVA, E.

Agent isolated from human leukaemic serum, causing transformation of cells in vitro. Neoplasma (Bratisl.) li no.6:619-651 '64.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava, Czechoslovakia.

BLASKOVIC, D.; RADA, B.; LINK, F.

Experimental approach to the problem of antiviral agents. Cas.
lek. cesk. 103 no.43:1177-1182 23 0 '64.

1. Virologický ústav Československé akademie věd v Bratislavě,
(ředitel akademik D. Blaskovic).

RADA, B.

Indirect tests of circuit breakers by means of the compensation method. p. 381.

(Elektrotechnický Obzor. Vol. 46, no. 7, July 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

RADA, Boris Frantsevich; IBDENBOM, Pavel Borisovich; ANGIN,
Andrey Nikolayevich; ZOLOVA, A.P., red.

[Carrots and parsley] Morkov' i petrushka. Leningrad,
Lenizdat, 1965. 41 p. (MIRA 18:10)

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CZECH/34-60-1-10/23

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TITLE: X-ray Studyⁿ of the Stratification and Homogenisation
of Centrifugally-cast CuSn8 Tinⁿ Bronzes

PERIODICAL: Hutnicke listy, 1960, Nr 1, pp 49 - 53

ABSTRACT: Difficulties are encountered in shaping tin bronzes containing over 7% Sn. Wire from such material is made by centrifugal casting^b of discs of about 600 mm dia and 20 mm thick, machining both faces of these discs, cold-rolling the discs down to a thickness of 6-8 mm and cutting the discs spirally by means of a special machine to a strip of rectangular cross-section and, finally, drawing it to the desired wire shape by conventional methods. Pickling of such centrifugally-cast discs in concentrated nitric acid reveals a stratified structure similar to that of timber. Material with such a structure causes difficulties during rolling and drawing; particularly, cracking occurs of cold-shaped discs during recrystallisation annealing and there is a considerable non-uniformity in the physical and mechanical properties of the final product (wire of 0.1 mm dia). There was

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reason to believe that the non-uniform resistance to the effects of concentrated HNO₃ is due to the same cause as the non-uniformities in all the other physical and mechanical properties. The author concentrated his efforts on determining the origin and the causes of the stratification and also on determining suitable measures for eliminating these. The photos reproduced in Figure 1 show the stratification revealed by etching. A photo of the equipment used for X-ray diffraction study of the stratification and for homogenisation of tin bronzes is reproduced in Figure 3. A sketch, Figure 4, shows the locations chosen for making X-ray diffraction patterns. Graphs of the influence of annealing on the fluctuation of the tin content in the cross-section of a few layers on the surface of a centrifugally-cast CuSn₈ disc are reproduced in Figure 5 for; a specimen (Nr 5) with widely spaced stratification, annealed for 4 hours at 600 °C;

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the same specimen - after annealing for 16 hours at 600 °C; the same specimen - after annealing for 64 hours at 600 °C; a specimen (Nr 6) with a closely spaced stratification annealed for 64 hours at 600 °C. X-ray diffraction patterns are reproduced in Figure 7, which show the influence of stratification on the process of homogenisation; the X-ray diffraction patterns reproduced in Figure 8 show the influence of the temperature on the speed of homogenising. It has been proved that the stratification which is detected by chemical etching of these tin bronzes is caused by cyclic fluctuation of the tin content in the cross-section of several layers. The assumption is expressed that the fluctuation of the tin content is due to the reverse segregation. Equalisation of the tin content in the cross-section of the layer can be achieved by intensive homogenisation annealing. Homogenisation is easier for discs with closely spaced stratification (cast at higher r.p.m. and intensive cooling of the metal) than for discs with widely spaced

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stratification. Cold shaping increases the homogenisation speed only insignificantly. It is the annealing temperature which has the greatest influence on the homogenisation speed.

There are 8 figures and 12 references, of which 4 are Czech, 6 Soviet, 1 English and 1 German. ✓

ASSOCIATION: Výzkumný ústav kovů, Panenské Břežany
(Metals Research Institute, Panenské Břežany)

SUBMITTED: September 10, 1959

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Gary Gerard

(clipped abstract)

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 C.A. 50, 14428d. — To confirm that all the double chlorides
 of PbCl₂ are actually complex salts with an anion (PbCl₂)⁻,
 (NH₄)₂PbCl₆ was treated with various metalamines.
 Thus, 1 g. of [Co(NH₃)₆CO₃]Cl in 20 ml. H₂O with 0.68 g.
 of finely divided (NH₄)₂PbCl₆ in a Cl atm. gave the brick-red
 [Co(NH₃)₆CO₃]₂PbCl₆. With acidified solns. of [Cr(en)₃]
 Cl₃, piperazine, urotropine, and quinine it gave the
 new yellow [Cren]₃[PbCl₆·2H₂O]·H₂C₄H₁₀N₂·PbCl₆·1/2H₂O,
 H₂·2C₄H₁₀N₂·PbCl₆·2H₂O, and H₂·(C₂H₅O₂N₂·HCl)₂·PbCl₆.
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